






PHOSPHORUS-CONTAINING COMPOUNDS & USES THEREOF**Publication number:** WO03064383**Publication date:** 2003-08-07**Inventor:** BERSTEIN DAVID L (US); METCALF CHESTER A III (US); ROZAMUS LEONARD W (US); WANG YIHAN (US)**Applicant:** ARIAD GENE THERAPEUTICS INC (US); BERSTEIN DAVID L (US); METCALF CHESTER A III (US); ROZAMUS LEONARD W (US); WANG YIHAN (US)**Classification:****- international:**

A61L27/00; A61F2/84; A61K31/661; A61K31/662; A61K31/664; A61K45/00; A61K45/06; A61P1/04; A61P3/10; A61P9/00; A61P9/10; A61P11/00; A61P17/02; A61P17/04; A61P17/06; A61P19/02; A61P21/04; A61P25/00; A61P25/28; A61P27/02; A61P29/00; A61P31/10; A61P35/00; A61P35/02; A61P37/00; C07F9/09; C07F9/22; C07F9/32; C07F9/36; C07F9/40; C07F9/44; C07F9/46; C07F9/53; C07F9/6561; A61L27/00; A61F2/82; A61K31/661; A61K31/662; A61K31/664; A61K45/00; A61P1/00; A61P3/00; A61P9/00; A61P11/00; A61P17/00; A61P19/00; A61P21/00; A61P25/00; A61P27/00; A61P29/00; A61P31/00; A61P35/00; A61P37/00; C07F9/00; (IPC1-7): C07D

- european: A61K45/06; C07F9/6561**Application number:** WO2003US03030 20030203**Priority number(s):** US20020353252P 20020201; US20020426928P 20021115; US20020428383P 20021122; US20020433930P 20021217**Also published as:**

 WO03064383 (A3)
 EP1478648 (A3)
 EP1478648 (A2)
 MXPA04007402 (A)
 EP1478648 (A0)

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Cited documents:

 US5391730

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Abstract of WO03064383

This invention concerns a new family of phosphorus-containing compounds containing a moiety JQA- in which: A is absent or is -O-, -S- or -NR2- Q is absent or if A is -O-, -S- or -NR2- Q may be -V-, -OV-, -SV-, or -NR2V-, where V is an aliphatic, heteroaliphatic, aryl, or heteroaryl moiety, such that J is linked to the cyclohexyl ring directly, through A or through VA, OVA, SVA or NR2VA J = I - or - II, K is O or S each occurrence of Y is independently -O-, -S-, -NR2-, or chemical bond linking a R5 moiety to P and the other variables are as defined herein.

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**RECOMBINANT PRODUCTION OF POLYANIONIC POLYMERS, AND USES THEREOF****Publication number:** WO02077036**Publication date:** 2002-10-03**Inventor:** LEUNG DAVID W (US); BERGMAN PHILIP A (US); LOFQUIST ALAN (US); PIETZ GREGORY E (US); TOMPKINS CHRISTOPHER K (US); WAGGONER DAVID W JR (US)**Applicant:** LEUNG DAVID W (US); BERGMAN PHILIP A (US); LOFQUIST ALAN (US); PIETZ GREGORY E (US); TOMPKINS CHRISTOPHER K (US); WAGGONER DAVID W JR (US)**Classification:****- international:** A61K47/48; C07K7/06; C07K7/08; C07K14/00; C12N5/08; A61K47/48; C07K7/00; C07K14/00; C12N5/08; (IPC1-7): C08F**- european:** A61K47/48R2T; C07K7/06A; C07K7/08A; C07K14/00B**Application number:** WO2002US08614 20020321**Priority number(s):** US20010277705P 20010321**Also published as:**

WO02077036 (A3)



AU2002252429 (A8)

**Cited documents:**

US6022860

[Report a data error here](#)**Abstract of WO02077036**

A polyanionic polymer can improve the bioactivity and water-solubility properties of a drug to which it is joined. The inventive method provides a monodispersed preparation of a recombinantly-produced polyanionic polymer that can be easily manipulated, such as lengthened. An active moiety may be chemically or recombinantly joined to a polyanionic polymer to increase its biological half-life and/or solubility. The instant invention also provides a method for targeting the delivery of a polyanionic polymer conjugate or fusion protein to a specific cell type or tissue.

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# APPARATUS AND METHODS FOR PREVENTING OR TREATING FAILURE OF HEMODIALYSIS VASCULAR ACCESS AND OTHER VASCULAR GRAFTS

Publication number: WO02062335

Publication date: 2002-08-15

Inventor: IYER SRIRAM S; KIPSHIDZE NICHOLAS N;  
NIKOLAYCHIK VICTOR V

Applicant: VASCULAR THERAPIES LLC (US)

Classification:

- international: C07D498/18; A61K9/00; A61K31/122; A61K31/337;  
A61K31/395; A61K31/436; A61K31/573; A61K31/727;  
A61K45/00; A61L31/00; A61M1/00; A61M39/10;  
A61P7/02; A61P7/08; A61P9/00; A61P9/10;  
A61P31/00; A61P37/06; A61P43/00; A61M1/16;  
C07D498/00; A61K9/00; A61K31/122; A61K31/337;  
A61K31/395; A61K31/4353; A61K31/57; A61K31/726;  
A61K45/00; A61L31/00; A61M1/00; A61M39/00;  
A61P7/00; A61P9/00; A61P31/00; A61P37/00;  
A61P43/00; A61M1/16; (IPC1-7): A61K31/395;  
A61K31/122; A61K31/337; A61K31/573; A61K31/727;  
A61K38/08; A61K38/13; A61K47/36; A61K47/42;  
A61P43/00

- european: A61K9/00M5D; A61K31/122; A61K31/337; A61K31/395;  
A61K31/573; A61K31/727; A61M1/00S; A61M39/10D

Application number: WO2002US01375 20020116

Priority number(s): US20010262132P 20010116

Also published as:

WO02062335 (A3)  
EP1351681 (A3)  
EP1351681 (A2)  
MXPA03006315 (A)  
EP1351681 (A0)

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Cited documents:

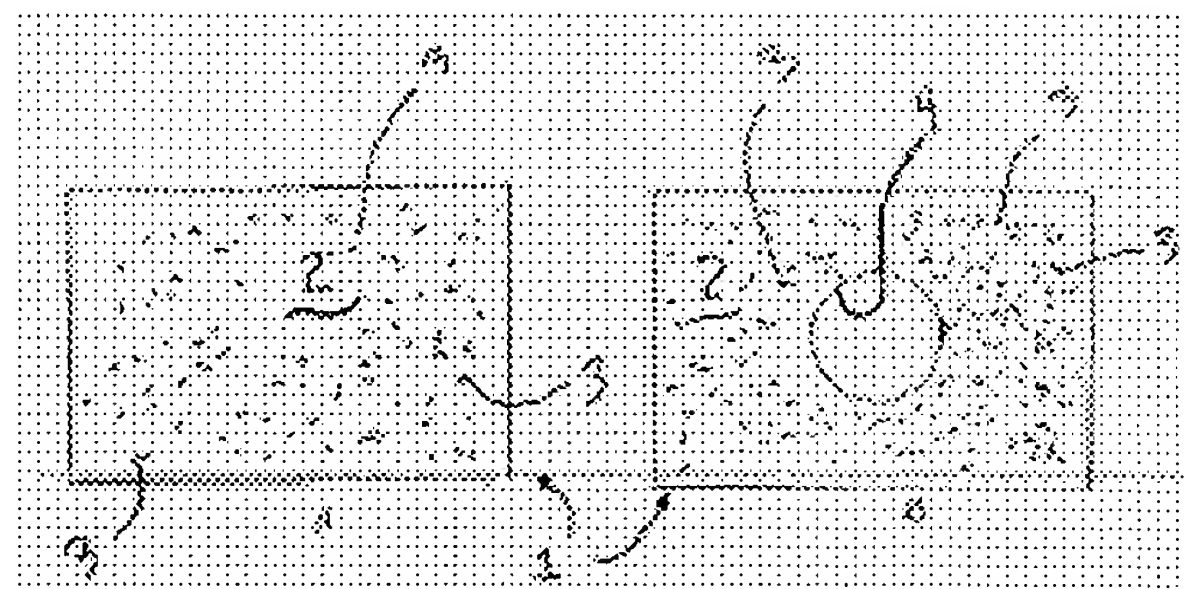
US6328762  
US5766584  
US5527532  
WO9323013  
US5486524

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## Abstract of WO02062335

This invention is a prosthetic device generally placed on the outside surface of the vessel or graft which then elutes antiproliferative drugs or agents from a drug-eluting matrix material. Methods of perivascular antiproliferative drug administration also are disclosed.



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L7 ANSWER 1 OF 2 USPATFULL on STN  
ACCESSION NUMBER: 2006:267722 USPATFULL  
TITLE: Compositions and methods for treatment of hypertrophic  
tissues

INVENTOR(S): Anderson, Daniel G., Framingham, MA, UNITED STATES  
Langer, Robert S., Newton, MA, UNITED STATES  
Padera, Robert F. JR., Milton, MA, UNITED STATES  
Peng, Weidan, Haverford, PA, UNITED STATES  
Sawicki, Janet A., Newton Square, PA, UNITED STATES

|                       | NUMBER                                                                       | KIND | DATE          |
|-----------------------|------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2006228404                                                                | A1   | 20061012      |
| APPLICATION INFO.:    | US 2005-256452                                                               | A1   | 20051021 (11) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2005-74323, filed on 4 Mar 2005, PENDING |      |               |

|                       | NUMBER                                                                     | DATE          |
|-----------------------|----------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2004-550912P                                                            | 20040304 (60) |
|                       | US 2004-620886P                                                            | 20041021 (60) |
| DOCUMENT TYPE:        | Utility                                                                    |               |
| FILE SEGMENT:         | APPLICATION                                                                |               |
| LEGAL REPRESENTATIVE: | CHOATE, HALL & STEWART LLP, TWO INTERNATIONAL PLACE, BOSTON, MA, 02110, US |               |
| NUMBER OF CLAIMS:     | 125                                                                        |               |
| EXEMPLARY CLAIM:      | 1                                                                          |               |
| NUMBER OF DRAWINGS:   | 22 Drawing Page(s)                                                         |               |
| LINE COUNT:           | 4028                                                                       |               |

AB The present invention provides compositions and methods for treatment of conditions and diseases associated with excessive or inappropriate noncancerous tissue growth. In certain embodiments of the invention the compositions and methods are used for treatment of benign prostatic hyperplasia. In certain embodiments of the invention the composition comprises a tissue-selective delivery vehicle. In certain embodiments of the invention the compositions comprise an expression vector that encodes a cytotoxic polypeptide, wherein expression of the cytotoxic polypeptide is under control of a prostate-specific regulatory element. In certain embodiments of the invention the compositions comprise an expression vector in which expression of a recombinase is under control of a prostate-specific regulatory element, and a recombination event mediated by the recombinase is required for expression of the cytotoxic polypeptide.

L7 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2004:95402 USPATFULL  
TITLE: Polymerized and modified rapamycins and their use in coating medical prostheses  
INVENTOR(S): Waugh, Jacob, Palo Alto, CA, UNITED STATES  
Razavi, Mahmood K., San Carlos, CA, UNITED STATES  
Nezhat, Camran, Woodside, CA, UNITED STATES  
Cifra, Pamela N., Daly City, CA, UNITED STATES  
Dake, Michael D., Stanford, CA, UNITED STATES

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2004072857  | A1   | 20040415      |
| APPLICATION INFO.:  | US 2003-613584 | A1   | 20030702 (10) |

|                       | NUMBER                                                                                              | DATE          |
|-----------------------|-----------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2002-393686P                                                                                     | 20020702 (60) |
| DOCUMENT TYPE:        | Utility                                                                                             |               |
| FILE SEGMENT:         | APPLICATION                                                                                         |               |
| LEGAL REPRESENTATIVE: | MANATT PHELPS AND PHILLIPS, ROBERT D. BECKER, 1001 PAGE MILL ROAD, BUILDING 2, PALO ALTO, CA, 94304 |               |

NUMBER OF CLAIMS: 101  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Page(s)  
LINE COUNT: 903

AB Compositions of matter comprise linked pluralities of mTOR-binding molecules, such as rapamycin. The compositions may be directly polymerized or may comprise rapamycin or other mTOR-binding molecules covalently or non-covalently attached to a backbone molecule. The compositions may be bound to vascular prostheses and other implantable devices in order to inhibit hyperplasia or for other therapeutic purposes.

=> d 16 1-43 ibib abs

L6 ANSWER 1 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:267722 USPATFULL

TITLE: Compositions and methods for treatment of hypertrophic tissues

INVENTOR(S): Anderson, Daniel G., Framingham, MA, UNITED STATES  
Langer, Robert S., Newton, MA, UNITED STATES  
Padera, Robert F. JR., Milton, MA, UNITED STATES  
Peng, Weidan, Haverford, PA, UNITED STATES  
Sawicki, Janet A., Newton Square, PA, UNITED STATES

|                       | NUMBER                                                                       | KIND | DATE          |
|-----------------------|------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2006228404                                                                | A1   | 20061012      |
| APPLICATION INFO.:    | US 2005-256452                                                               | A1   | 20051021 (11) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2005-74323, filed on 4 Mar 2005, PENDING |      |               |

|                       | NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DATE          |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2004-550912P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20040304 (60) |
|                       | US 2004-620886P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20041021 (60) |
| DOCUMENT TYPE:        | Utility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
| FILE SEGMENT:         | APPLICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               |
| LEGAL REPRESENTATIVE: | CHOATE, HALL & STEWART LLP, TWO INTERNATIONAL PLACE, BOSTON, MA, 02110, US                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |
| NUMBER OF CLAIMS:     | 125                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |
| EXEMPLARY CLAIM:      | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |
| NUMBER OF DRAWINGS:   | 22 Drawing Page(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |
| LINE COUNT:           | 4028                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |
| AB                    | The present invention provides compositions and methods for treatment of conditions and diseases associated with excessive or inappropriate noncancerous tissue growth. In certain embodiments of the invention the compositions and methods are used for treatment of benign prostatic hyperplasia. In certain embodiments of the invention the composition comprises a tissue-selective delivery vehicle. In certain embodiments of the invention the compositions comprise an expression vector that encodes a cytotoxic polypeptide, wherein expression of the cytotoxic polypeptide is under control of a prostate-specific regulatory element. In certain embodiments of the invention the compositions comprise an expression vector in which expression of a recombinase is under control of a prostate-specific regulatory element, and a recombination event mediated by the recombinase is required for expression of the cytotoxic polypeptide. |               |

L6 ANSWER 2 OF 43 USPATFULL on STN



ACCESSION NUMBER: 2006:248288 USPATFULL  
 TITLE: Erastin and erastin binding proteins, and uses thereof  
 INVENTOR(S): Selliah, Robert, Midvale, UT, UNITED STATES  
 Qi, Longwu, Salt Lake City, UT, UNITED STATES  
 Robbins, Paul B., Park City, UT, UNITED STATES  
 Sahasrabudhe, Sudhir R., Sandy, UT, UNITED STATES  
 Stockwell, Brent R., New York, NY, UNITED STATES  
 Venkat, Raj Gopal, Salt Lake City, UT, UNITED STATES  
 PATENT ASSIGNEE(S): Prolexys Pharmaceuticals Inc., Salt Lake City, UT,  
 UNITED STATES (U.S. corporation)  
 Whitehead Institute for Biomedical Research, Cambridge,  
 MA, UNITED STATES (U.S. corporation)  
 The Trustees of Columbia University in the City of New  
 York, New York, NY, UNITED STATES (U.S. corporation)

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006211683  | A1   | 20060921      |
| APPLICATION INFO.:  | US 2006-340430 | A1   | 20060125 (11) |

|                       | NUMBER                                                                                          | DATE          |
|-----------------------|-------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2005-647303P                                                                                 | 20050125 (60) |
|                       | US 2006-762221P                                                                                 | 20060124 (60) |
| DOCUMENT TYPE:        | Utility                                                                                         |               |
| FILE SEGMENT:         | APPLICATION                                                                                     |               |
| LEGAL REPRESENTATIVE: | FISH & NEAVE IP GROUP, ROPES & GRAY LLP, ONE<br>INTERNATIONAL PLACE, BOSTON, MA, 02110-2624, US |               |
| NUMBER OF CLAIMS:     | 9                                                                                               |               |
| EXEMPLARY CLAIM:      | 1                                                                                               |               |
| NUMBER OF DRAWINGS:   | 30 Drawing Page(s)                                                                              |               |
| LINE COUNT:           | 4442                                                                                            |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to methods of screening for binding partners,  
 especially binding partners essential for the biological activity of  
 erastin (e.g. VDACS such as VDAC3). The invention also provides reagents  
 and methods for effective killing of cancer cells with erastin and  
 related compounds or derivatives.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:233416 USPATFULL  
 TITLE: Biodegradable coating compositions comprising blends  
 INVENTOR(S): DeWitt, David M., Minneapolis, MN, UNITED STATES  
 Hergenrother, Robert W., Eden Prairie, MN, UNITED  
 STATES  
 Malinoff, Harrison, Golden Valley, MN, UNITED STATES

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006198868  | A1   | 20060907      |
| APPLICATION INFO.:  | US 2005-317212 | A1   | 20051222 (11) |

|                       | NUMBER                                                                                                    | DATE          |
|-----------------------|-----------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2005-641533P                                                                                           | 20050105 (60) |
| DOCUMENT TYPE:        | Utility                                                                                                   |               |
| FILE SEGMENT:         | APPLICATION                                                                                               |               |
| LEGAL REPRESENTATIVE: | KAGAN BINDER, PLLC, SUITE 200, MAPLE ISLAND BUILDING,<br>221 MAIN STREET NORTH, STILLWATER, MN, 55082, US |               |
| NUMBER OF CLAIMS:     | 27                                                                                                        |               |
| EXEMPLARY CLAIM:      | 1                                                                                                         |               |

NUMBER OF DRAWINGS: 16 Drawing Page(s)

LINE COUNT: 3470

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides devices for treatment of a patient, wherein at least a portion of the device is provided with a biodegradable coating composed of a blend of bioactive agent and at least two biodegradable polymers or copolymers. The invention further provides methods of treatment utilizing the devices.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:229549 USPATFULL

TITLE: Embryonic stem cell self maintenance and renewal reporter

INVENTOR(S): Lemischka, Ihor R., Princeton, NJ, UNITED STATES  
Schaniel, Christoph, Princeton, NJ, UNITED STATES  
Li, Feng, Plainsboro, NJ, UNITED STATES  
Schafer, Xenia, Princeton, NJ, UNITED STATES  
Paddison, Patrick J., Oyster Bay, NY, UNITED STATES  
PATENT ASSIGNEE(S): Princeton University, Princeton, NJ, UNITED STATES  
(U.S. corporation)

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006195918  | A1   | 20060831      |
| APPLICATION INFO.:  | US 2006-332943 | A1   | 20060117 (11) |

|                       | NUMBER                                                                               | DATE          |
|-----------------------|--------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2005-644785P                                                                      | 20050118 (60) |
| DOCUMENT TYPE:        | Utility                                                                              |               |
| FILE SEGMENT:         | APPLICATION                                                                          |               |
| LEGAL REPRESENTATIVE: | MEDLEN & CARROLL, LLP, Suite 350, 101 Howard Street,<br>San Francisco, CA, 94105, US |               |
| NUMBER OF CLAIMS:     | 20                                                                                   |               |
| EXEMPLARY CLAIM:      | 1                                                                                    |               |
| NUMBER OF DRAWINGS:   | 24 Drawing Page(s)                                                                   |               |
| LINE COUNT:           | 2239                                                                                 |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions for assaying embryonic stem cell maintenance. In particular, the present invention provides reporter constructs for stem cell pluripotency and differentiation and cells and organisms containing such constructs.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:228476 USPATFULL

TITLE: 3,4-Disubstituted 1H-pyrazole compounds and their use as cyclin dependent kinase and glycogen synthase kinase-3 modulators

INVENTOR(S): Berdini, Valerio, Cambridge, UNITED KINGDOM  
O'Brien, Michael Alistair, Herts, UNITED KINGDOM  
Carr, Maria Grazia, Cambridge, UNITED KINGDOM  
Early, Theresa Rachel, Macclesfield, UNITED KINGDOM  
Gill, Adrian Liam, Caldecote, UNITED KINGDOM  
Trewartha, Gary, Herts, UNITED KINGDOM  
Woolford, Alison Jo-Anne, Cambridge, UNITED KINGDOM  
Woodhead, Andrew James, Cambridge, UNITED KINGDOM  
Wyatt, Paul Graham, Dundee, UNITED KINGDOM  
PATENT ASSIGNEE(S): Astex Therapeutics Limited, Cambridge, UNITED KINGDOM  
(non-U.S. corporation)



|                       | NUMBER                                                                 | KIND | DATE          |
|-----------------------|------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2006194843                                                          | A1   | 20060831      |
| APPLICATION INFO.:    | US 2006-336599                                                         | A1   | 20060120 (11) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. WO 2004-GB3179, filed on 22 Jul 2004, UNKNOWN |      |               |

|                                            | NUMBER                                                                         | DATE          |
|--------------------------------------------|--------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION:                      | GB 2004-317127                                                                 | 20040722      |
|                                            | US 2003-489046P                                                                | 20030722 (60) |
|                                            | US 2004-569763P                                                                | 20040510 (60) |
| DOCUMENT TYPE:                             | Utility                                                                        |               |
| FILE SEGMENT:                              | APPLICATION                                                                    |               |
| LEGAL REPRESENTATIVE:                      | HESLIN ROTHENBERG FARLEY & MESITI PC, 5 COLUMBIA CIRCLE, ALBANY, NY, 12203, US |               |
| NUMBER OF CLAIMS:                          | 30                                                                             |               |
| EXEMPLARY CLAIM:                           | 1                                                                              |               |
| LINE COUNT:                                | 6100                                                                           |               |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. |                                                                                |               |

AB The invention provides compounds of the formula (0) or salts or tautomers or N-oxides or solvates thereof for use in the prophylaxis or treatment of disease states and conditions such as cancers mediated by cyclin-dependent kinase and glycogen synthase kinase-3. ##STR1## In formula (0):

X is a group R.sup.1-A-NR.sup.4-- or a 5- or 6-membered carbocyclic or heterocyclic ring;

A is a bond, SO.sub.2, C.dbd.O, NR.sup.g(C.dbd.O) or O(C.dbd.O) wherein R.sup.g is hydrogen or C.sub.1-4 hydrocarbyl optionally substituted by hydroxy or C.sub.1-4 alkoxy; Y is a bond or an alkylene chain of 1, 2 or 3 carbon atoms in length;

R.sup.1 is hydrogen; a carbocyclic or heterocyclic group having from 3 to 12 ring members; or a C.sub.1-8 hydrocarbyl group optionally substituted by one or more substituents selected from halogen (e.g. fluorine), hydroxy, C.sub.1-4 hydrocarbyloxy, amino, mono- or di-C.sub.1-4 hydrocarbylamino, and carbocyclic or heterocyclic groups having from 3 to 12 ring members, and wherein 1 or 2 of the carbon atoms of the hydrocarbyl group may optionally be replaced by an atom or group selected from O, S, NH, SO, SO.sub.2;

R.sup.2 is hydrogen; halogen; C.sub.1-4 alkoxy (e.g. methoxy); or a C.sub.1-4 hydrocarbyl group optionally substituted by halogen (e.g. fluorine), hydroxyl or C.sub.1-4 alkoxy (e.g. methoxy);

R.sup.3 is selected from hydrogen and carbocyclic and heterocyclic groups having from 3 to 12 ring members; and

R.sup.4 is hydrogen or a C.sub.1-4 hydrocarbyl group optionally substituted by halogen (e.g. fluorine), hydroxyl or C.sub.1-4 alkoxy (e.g. methoxy).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 6 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:203098 USPATFULL

TITLE: Methods and compositions of novel triazine compounds

INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES  
Alexander, Christopher W., Atlanta, GA, UNITED STATES  
Pillarsetti, Sivaram, Norcross, GA, UNITED STATES

Saxena, Uday, Atlanta, GA, UNITED STATES  
 Rao, Yeleswarapu Koteswar, Andhra Pradesh, INDIA  
 Pal, Manojit, Andhra Pradesh, INDIA  
 Reddy, Jangalgar Tirupathy, Miyapur, INDIA  
 Reddy, Velagala Venkata Rama Murali Krishna,  
 Kukatpally, INDIA  
 Alluri, Sessa Sridevi, Redmond, WA, UNITED STATES  
 Kumar, Potlapally Rajender, Miyapur, INDIA  
 Reddy, Gaddam Om, Miyapur, INDIA

|                       | NUMBER                                                                                                                                                                                                                         | KIND | DATE          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2006172984                                                                                                                                                                                                                  | A1   | 20060803      |
| APPLICATION INFO.:    | US 2005-284757                                                                                                                                                                                                                 | A1   | 20051122 (11) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2003-400134, filed on 26 Mar 2003, PENDING Continuation-in-part of Ser. No. US 2003-390485, filed on 17 Mar 2003, PENDING Continuation of Ser. No. US 2002-253388, filed on 23 Sep 2002, ABANDONED |      |               |

|                       | NUMBER                                                                                                          | DATE          |
|-----------------------|-----------------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2001-324147P                                                                                                 | 20010921 (60) |
| DOCUMENT TYPE:        | Utility                                                                                                         |               |
| FILE SEGMENT:         | APPLICATION                                                                                                     |               |
| LEGAL REPRESENTATIVE: | Attn: David E. Wigley, Ph.D., Womble Carlyle Sandridge & Rice, PLLC, P.O. Box 7037, Atlanta, GA, 30357-0037, US |               |
| NUMBER OF CLAIMS:     | 39                                                                                                              |               |
| EXEMPLARY CLAIM:      | 1                                                                                                               |               |
| NUMBER OF DRAWINGS:   | 86 Drawing Page(s)                                                                                              |               |
| LINE COUNT:           | 10142                                                                                                           |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 7 OF 43 USPATFULL on STN  
 ACCESSION NUMBER: 2006:195606 USPATFULL  
 TITLE: Postpartum cells derived from placental tissue, and methods of making, culturing, and using the same  
 INVENTOR(S): Seyda, Agnieszka, New Brunswick, NJ, UNITED STATES  
 Gosiewska, Anna, Skillman, NJ, UNITED STATES

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006166361  | A1   | 20060727      |
| APPLICATION INFO.:  | US 2005-297778 | A1   | 20051208 (11) |

|                       | NUMBER          | DATE          |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2004-637842P | 20041221 (60) |
| DOCUMENT TYPE:        | Utility         |               |

FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: PHILIP S. JOHNSON, JOHNSON & JOHNSON, ONE JOHNSON &  
JOHNSON PLAZA, NEW BRUNSWICK, NJ, 08933-7003, US  
NUMBER OF CLAIMS: 12  
EXEMPLARY CLAIM: 1  
LINE COUNT: 7111

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cells derived from postpartum placenta and methods for their isolation  
are provided by the invention. The invention further provides cultures  
and compositions of the placenta-derived cells. The placenta-derived  
cells of the invention have a plethora of uses, including but not  
limited to research, diagnostic, and therapeutic applications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 8 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:181969 USPATFULL  
TITLE: Cartilage and bone repair and regeneration using  
postpartum-derived cells  
INVENTOR(S): Kihm, Anthony J., Princeton, NJ, UNITED STATES  
Seyda, Agnieszka, New Brunswick, NJ, UNITED STATES  
Dhanaraj, Sridevi, Raritan, NJ, UNITED STATES  
Wang, Ziwei, Monroe, NJ, UNITED STATES  
Harmon, Alexander M., Clinton, NJ, UNITED STATES  
Harris, Ian Ross, Belle Mead, NJ, UNITED STATES  
Messina, Darin J., Somerville, NJ, UNITED STATES  
Mistry, Sanjay, Bedminster, NJ, UNITED STATES  
Gosiewska, Anna, Skillman, NJ, UNITED STATES  
PATENT ASSIGNEE(S): Ethicon, Incorporated, Somerville, NJ, UNITED STATES  
(U.S. corporation)

|                       | NUMBER                                                                | KIND | DATE          |
|-----------------------|-----------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2006154367                                                         | A1   | 20060713      |
| APPLICATION INFO.:    | US 2005-322003                                                        | A1   | 20051229 (11) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2004-876988, filed on 25 Jun<br>2004, PENDING |      |               |

|                       | NUMBER                                                                                                   | DATE          |
|-----------------------|----------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-483264P                                                                                          | 20030627 (60) |
| DOCUMENT TYPE:        | Utility                                                                                                  |               |
| FILE SEGMENT:         | APPLICATION                                                                                              |               |
| LEGAL REPRESENTATIVE: | WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR,<br>1650 MARKET STREET, PHILADELPHIA, PA, 19103, US |               |
| NUMBER OF CLAIMS:     | 32                                                                                                       |               |
| EXEMPLARY CLAIM:      | 1-19                                                                                                     |               |
| LINE COUNT:           | 5946                                                                                                     |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cells derived from postpartum tissue and methods for their isolation and  
induction to differentiate to cells of a chondrogenic or osteogenic  
phenotype are provided by the invention. The invention further provides  
cultures and compositions of the postpartum-derived cells and products  
related thereto. The postpartum-derived cells of the invention and  
products related thereto have a plethora of uses, including but not  
limited to research, diagnostic, and therapeutic applications, for  
example, in the treatment of bone and cartilage conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 9 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:181423 USPATFULL  
TITLE: Cartilage and bone repair and regeneration using

INVENTOR(S): postpartum-derived cells  
Dhanaraj, Sridevi, Raritan, NJ, UNITED STATES  
Harmon, Alexander M., Clinton, NJ, UNITED STATES  
Messina, Darin J., Somerville, NJ, UNITED STATES  
PATENT ASSIGNEE(S): Ethicon, Incorporated, Somerville, NJ, UNITED STATES  
(U.S. corporation)

|                       | NUMBER                                                             | KIND | DATE          |
|-----------------------|--------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2006153818                                                      | A1   | 20060713      |
| APPLICATION INFO.:    | US 2005-321864                                                     | A1   | 20051229 (11) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2004-876998, filed on 25 Jun 2004, PENDING |      |               |

|                       | NUMBER                                                                                                | DATE          |
|-----------------------|-------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-483264P                                                                                       | 20030627 (60) |
| DOCUMENT TYPE:        | Utility                                                                                               |               |
| FILE SEGMENT:         | APPLICATION                                                                                           |               |
| LEGAL REPRESENTATIVE: | WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR, 1650 MARKET STREET, PHILADELPHIA, PA, 19103, US |               |
| NUMBER OF CLAIMS:     | 3                                                                                                     |               |
| EXEMPLARY CLAIM:      | 1-85                                                                                                  |               |
| LINE COUNT:           | 5887                                                                                                  |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cells derived from postpartum tissue and methods for their isolation and induction to differentiate to cells of a chondrogenic or osteogenic phenotype are provided by the invention. The invention further provides cultures and compositions of the postpartum-derived cells and products related thereto. The postpartum-derived cells of the invention and products related thereto have a plethora of uses, including but not limited to research, diagnostic, and therapeutic applications, for example, in the treatment of bone and cartilage conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 10 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:181422 USPATFULL  
TITLE: Cartilage and bone repair and regeneration using postpartum-derived cells  
INVENTOR(S): Kihm, Anthony J., Princeton, NJ, UNITED STATES  
Seyda, Agnieszka, New Brunswick, NJ, UNITED STATES  
Harmon, Alexander M., Clinton, NJ, UNITED STATES  
Harris, Ian Ross, Belle Mead, NJ, UNITED STATES  
Messina, Darin J., Somerville, NJ, UNITED STATES  
Mistry, Sanjay, Bedminster, NJ, UNITED STATES  
Gosiewska, Anna, Skillman, NJ, UNITED STATES  
Yi, Chin-Feng, Hillsborough, NJ, UNITED STATES  
PATENT ASSIGNEE(S): Ethicon, Incorporated, Somerville, NJ, UNITED STATES  
(U.S. corporation)

|                       | NUMBER                                                             | KIND | DATE          |
|-----------------------|--------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2006153817                                                      | A1   | 20060713      |
| APPLICATION INFO.:    | US 2005-321863                                                     | A1   | 20051229 (11) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2004-876998, filed on 25 Jun 2004, PENDING |      |               |

|                       | NUMBER          | DATE          |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2003-483264P | 20030627 (60) |
| DOCUMENT TYPE:        | Utility         |               |
| FILE SEGMENT:         | APPLICATION     |               |

LEGAL REPRESENTATIVE: WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR,  
1650 MARKET STREET, PHILADELPHIA, PA, 19103, US

NUMBER OF CLAIMS: 60

EXEMPLARY CLAIM: 1

LINE COUNT: 6003

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cells derived from postpartum tissue and methods for their isolation and induction to differentiate to cells of a chondrogenic or osteogenic phenotype are provided by the invention. The invention further provides cultures and compositions of the postpartum-derived cells and products related thereto. The postpartum-derived cells of the invention and products related thereto have a plethora of uses, including but not limited to research, diagnostic, and therapeutic applications, for example, in the treatment of bone and cartilage conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 11 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:174045 USPATFULL

TITLE: Biodegradable coating compositions including multiple layers

INVENTOR(S): DeWitt, David M., Minneapolis, MN, UNITED STATES  
Hergenrother, Robert W., Eden Prairie, MN, UNITED STATES

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006147491  | A1   | 20060706      |
| APPLICATION INFO.:  | US 2005-316787 | A1   | 20051222 (11) |

|                       | NUMBER                                                                                                    | DATE          |
|-----------------------|-----------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2005-641557P                                                                                           | 20050105 (60) |
| DOCUMENT TYPE:        | Utility                                                                                                   |               |
| FILE SEGMENT:         | APPLICATION                                                                                               |               |
| LEGAL REPRESENTATIVE: | KAGAN BINDER, PLLC, SUITE 200, MAPLE ISLAND BUILDING,<br>221 MAIN STREET NORTH, STILLWATER, MN, 55082, US |               |
| NUMBER OF CLAIMS:     | 46                                                                                                        |               |
| EXEMPLARY CLAIM:      | 1                                                                                                         |               |
| NUMBER OF DRAWINGS:   | 26 Drawing Page(s)                                                                                        |               |
| LINE COUNT:           | 4075                                                                                                      |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides devices for treatment of a patient, wherein at least a portion of the device is provided with a biodegradable coating composed of multiple coated layers of biodegradable material. The invention further provides methods of treatment utilizing the devices.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 12 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:104550 USPATFULL

TITLE: Method and apparatus for coating of substrates

INVENTOR(S): Chappa, Ralph A., Prior Lake, MN, UNITED STATES

|                       | NUMBER                                                                                                             | KIND | DATE          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2006088653                                                                                                      | A1   | 20060427      |
| APPLICATION INFO.:    | US 2004-976193                                                                                                     | A1   | 20041027 (10) |
| DOCUMENT TYPE:        | Utility                                                                                                            |      |               |
| FILE SEGMENT:         | APPLICATION                                                                                                        |      |               |
| LEGAL REPRESENTATIVE: | PAULY, DEVRIES SMITH & DEFFNER, L.L.C., 900 IDS CENTER,<br>80 SOUTH EIGHTH STREET, MINNEAPOLIS, MN, 55402-8773, US |      |               |
| NUMBER OF CLAIMS:     | 77                                                                                                                 |      |               |



EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 25 Drawing Page(s)  
LINE COUNT: 2385  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to methods and apparatuses that reduce problems encountered during coating of a device, such as a medical device having a cylindrical shape. In an embodiment, the invention includes an apparatus including a bi-directional rotation member. In an embodiment, the invention includes a method with a bi-directional indexing movement. In an embodiment, the invention includes a coating solution supply member having a major axis oriented parallel to a gap between rollers on a coating apparatus. In an embodiment, the invention includes a device retaining member. In an embodiment, the invention includes an air nozzle or an air knife. In an embodiment, the invention includes a method including removing a static charge from a small diameter medical device.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 13 OF 43 USPATFULL on STN  
ACCESSION NUMBER: 2006:98917 USPATFULL  
TITLE: Methods and compositions for modulating Bax-mediated apoptosis  
INVENTOR(S): Sinclair, David A., West Roxbury, MA, UNITED STATES  
Cohen, Haim Y., Modi'in, ISRAEL

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2006084085  | A1   | 20060420      |
| APPLICATION INFO.:  | US 2005-154293 | A1   | 20050616 (11) |

|                       | NUMBER                                                                                          | DATE          |
|-----------------------|-------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2004-580169P                                                                                 | 20040616 (60) |
| DOCUMENT TYPE:        | Utility                                                                                         |               |
| FILE SEGMENT:         | APPLICATION                                                                                     |               |
| LEGAL REPRESENTATIVE: | FOLEY HOAG, LLP, PATENT GROUP, WORLD TRADE CENTER WEST, 155 SEAPORT BLVD, BOSTON, MA, 02110, US |               |
| NUMBER OF CLAIMS:     | 68                                                                                              |               |
| EXEMPLARY CLAIM:      | 1                                                                                               |               |
| NUMBER OF DRAWINGS:   | 9 Drawing Page(s)                                                                               |               |
| LINE COUNT:           | 8804                                                                                            |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided herein are methods and compositions for modulating apoptosis of cells and the lifespan of cells. These may be used for treating or preventing aging-related disorders and cancer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 14 OF 43 USPATFULL on STN  
ACCESSION NUMBER: 2006:67406 USPATFULL  
TITLE: Scaffold-based artificial receptors and methods  
INVENTOR(S): Carlson, Robert E., Minnetonka, MN, UNITED STATES

|                       | NUMBER                                                                                                                                                                                                                                       | KIND | DATE          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2006057625                                                                                                                                                                                                                                | A1   | 20060316      |
| APPLICATION INFO.:    | US 2005-217384                                                                                                                                                                                                                               | A1   | 20050901 (11) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2002-244727, filed on 16 Sep 2002, PENDING Continuation-in-part of Ser. No. US 2004-813568, filed on 29 Mar 2004, PENDING Continuation-in-part of Ser. No. WO 2003-US5328, filed on 19 Feb 2003, PENDING |      |               |



|                                            | NUMBER                                                              | DATE          |
|--------------------------------------------|---------------------------------------------------------------------|---------------|
|                                            | -----                                                               | -----         |
| PRIORITY INFORMATION:                      | US 2004-609160P                                                     | 20040911 (60) |
|                                            | US 2004-612666P                                                     | 20040923 (60) |
|                                            | US 2004-626770P                                                     | 20041110 (60) |
|                                            | US 2005-645582P                                                     | 20050119 (60) |
|                                            | US 2005-649729P                                                     | 20050203 (60) |
|                                            | US 2004-607438P                                                     | 20040903 (60) |
|                                            | US 2004-607458P                                                     | 20040903 (60) |
|                                            | US 2004-608557P                                                     | 20040910 (60) |
|                                            | US 2004-607457P                                                     | 20040903 (60) |
|                                            | US 2004-608654P                                                     | 20040910 (60) |
| DOCUMENT TYPE:                             | Utility                                                             |               |
| FILE SEGMENT:                              | APPLICATION                                                         |               |
| LEGAL REPRESENTATIVE:                      | MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903, US |               |
| NUMBER OF CLAIMS:                          | 43                                                                  |               |
| EXEMPLARY CLAIM:                           | 1                                                                   |               |
| NUMBER OF DRAWINGS:                        | 47 Drawing Page(s)                                                  |               |
| LINE COUNT:                                | 3655                                                                |               |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. |                                                                     |               |

AB The present invention relates to scaffold artificial receptors, methods of and compositions for making them, and methods of using them. Each artificial receptor includes a plurality of building blocks. The plurality of the building blocks are coupled to a scaffold.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 15 OF 43 USPATFULL on STN  
 ACCESSION NUMBER: 2006:67060 USPATFULL  
 TITLE: Methods, devices, and coatings for controlled active agent release  
 INVENTOR(S): Chappa, Ralph A., Prior Lake, MN, UNITED STATES

|                     | NUMBER         | KIND  | DATE          |
|---------------------|----------------|-------|---------------|
|                     | -----          | ----- | -----         |
| PATENT INFORMATION: | US 2006057277  | A1    | 20060316      |
| APPLICATION INFO.:  | US 2005-223811 | A1    | 20050909 (11) |

|                                            | NUMBER                                                                                                          | DATE          |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------|
|                                            | -----                                                                                                           | -----         |
| PRIORITY INFORMATION:                      | US 2004-608638P                                                                                                 | 20040910 (60) |
| DOCUMENT TYPE:                             | Utility                                                                                                         |               |
| FILE SEGMENT:                              | APPLICATION                                                                                                     |               |
| LEGAL REPRESENTATIVE:                      | PAULY, DEVRIES SMITH & DEFFNER, L.L.C., 900 IDS CENTER, 80 SOUTH EIGHTH STREET, MINNEAPOLIS, MN, 55402-8773, US |               |
| NUMBER OF CLAIMS:                          | 25                                                                                                              |               |
| EXEMPLARY CLAIM:                           | 1                                                                                                               |               |
| NUMBER OF DRAWINGS:                        | 4 Drawing Page(s)                                                                                               |               |
| LINE COUNT:                                | 1438                                                                                                            |               |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. |                                                                                                                 |               |

AB The present invention relates to methods, devices, and coatings, wherein active agent release is determined by deposition rate of a coating or material. In an embodiment, the invention includes a method for coating a medical device, including identifying active agent elution rates for a coating composition applied to substrates at a plurality of coating deposition rates, selecting one of the coating deposition rates, and applying the coating composition to the medical device at the selected deposition rate. In an embodiment, the invention includes a combination including a medical device and a composition for coating the surface of a medical device with an active agent in a manner that permits the coated surface to release the active agent over time when implanted in vivo.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 16 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2006:28503 USPATFULL  
TITLE: Sirtuin related therapeutics and diagnostics for neurodegenerative diseases  
INVENTOR(S): Sinclair, David A., West Roxbury, MA, UNITED STATES  
Tsai, Li-Huei, Cambridge, MA, UNITED STATES  
Nguyen, Minh Dang, Boston, MA, UNITED STATES  
Howitz, Konrad T., Allentown, PA, UNITED STATES  
Zipkin, Robert E., Wynnewood, PA, UNITED STATES  
Bitterman, Kevin J., Boston, MA, UNITED STATES  
PATENT ASSIGNEE(S): President and Fellows of Harvard College, Cambridge, MA, UNITED STATES (U.S. corporation)

|                       | NUMBER                                                                                                                                                      | KIND | DATE          |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2006025337                                                                                                                                               | A1   | 20060202      |
| APPLICATION INFO.:    | US 2005-74374                                                                                                                                               | A1   | 20050307 (11) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2004-884022, filed on 1 Jul 2004, PENDING Continuation-in-part of Ser. No. US 2004-884879, filed on 1 Jul 2004, PENDING |      |               |

|                       | NUMBER                                                                                          | DATE          |
|-----------------------|-------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-483949P                                                                                 | 20030701 (60) |
|                       | US 2003-532158P                                                                                 | 20031223 (60) |
|                       | US 2003-483949P                                                                                 | 20030701 (60) |
|                       | US 2003-532158P                                                                                 | 20031223 (60) |
| DOCUMENT TYPE:        | Utility                                                                                         |               |
| FILE SEGMENT:         | APPLICATION                                                                                     |               |
| LEGAL REPRESENTATIVE: | FOLEY HOAG, LLP, PATENT GROUP, WORLD TRADE CENTER WEST, 155 SEAPORT BLVD, BOSTON, MA, 02110, US |               |
| NUMBER OF CLAIMS:     | 23                                                                                              |               |
| EXEMPLARY CLAIM:      | 1                                                                                               |               |
| NUMBER OF DRAWINGS:   | 49 Drawing Page(s)                                                                              |               |
| LINE COUNT:           | 8646                                                                                            |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided herein are methods and compositions for modulating the activity of sirtuin deacetylase protein family members; p53 activity; apoptosis; lifespan and sensitivity to stress of cells and organisms. Exemplary methods comprise contacting a cell with an activating compound, such as a flavone, stilbene, flavanone, isoflavone, catechin, chalcone, tannin or anthocyanidin; or an inhibitory compound, such as a sphingolipid, e.g., sphingosine. Also disclosed herein are methods for treating, preventing or diagnosing a disease associated with neuronal cell death, e.g., a neurodegenerative disease.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 17 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:306420 USPATFULL  
TITLE: Antisense modulation of p70 S6 kinase expression  
INVENTOR(S): Bennett, C. Frank, Carlsbad, CA, UNITED STATES  
Monia, Brett P., Encinitas, CA, UNITED STATES  
Freier, Susan M., San Diego, CA, UNITED STATES  
Baker, Brenda F., Carlsbad, CA, UNITED STATES  
Gaarde, William A., Carlsbad, CA, UNITED STATES  
Koller, Erich, Carlsbad, CA, UNITED STATES  
Murray, Susan F., Poway, CA, UNITED STATES  
Watt, Andrew T., Oceanside, CA, UNITED STATES  
Wyatt, Jacqueline R., Sundance, WY, UNITED STATES

Nero, Pamela, Philadelphia, PA, UNITED STATES  
Roach, Mark P., Cardiff by the Sea, CA, UNITED STATES  
Cowser, Lex M., Pittsburgh, PA, UNITED STATES  
Dobie, Kenneth W., Del Mar, CA, UNITED STATES

|                       | NUMBER                                                                                                                                                                                                                                                                                                                    | KIND | DATE          |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2005267063                                                                                                                                                                                                                                                                                                             | A1   | 20051201      |
| APPLICATION INFO.:    | US 2005-117013                                                                                                                                                                                                                                                                                                            | A1   | 20050427 (11) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2004-795662, filed on 8 Mar 2004, PENDING Continuation of Ser. No. US 2001-920677, filed on 1 Aug 2001, ABANDONED                                                                                                                                                                     |      |               |
|                       | Continuation-in-part of Ser. No. US 2002-299881, filed on 19 Nov 2002, PENDING Continuation of Ser. No. US 2001-856748, filed on 24 Sep 2001, ABANDONED A 371 of International Ser. No. WO 1999-US19607, filed on 25 Aug 1999 Continuation of Ser. No. US 1998-200141, filed on 25 Nov 1998, GRANTED, Pat. No. US 5985663 |      |               |
|                       | Continuation-in-part of Ser. No. US 2003-376566, filed on 27 Feb 2003, PENDING Continuation of Ser. No. US 2001-5058, filed on 7 Dec 2001, ABANDONED                                                                                                                                                                      |      |               |
|                       | Continuation-in-part of Ser. No. US 2003-646569, filed on 22 Aug 2003, ABANDONED Continuation of Ser. No. US 2001-757100, filed on 9 Jan 2001, ABANDONED                                                                                                                                                                  |      |               |
|                       | Continuation-in-part of Ser. No. WO 2000-US18999, filed on 13 Jul 2000, PENDING Continuation of Ser. No. US 1999-377310, filed on 19 Aug 1999, GRANTED, Pat. No. US 6133031                                                                                                                                               |      |               |
|                       | Continuation-in-part of Ser. No. US 2003-672981, filed on 26 Sep 2003, PENDING Continuation of Ser. No. US 2001-973827, filed on 10 Oct 2001, ABANDONED                                                                                                                                                                   |      |               |
|                       | Continuation-in-part of Ser. No. US 2003-705715, filed on 10 Nov 2003, PENDING Continuation of Ser. No. US 2001-888361, filed on 21 Jun 2001, ABANDONED                                                                                                                                                                   |      |               |
|                       | Continuation-in-part of Ser. No. US 2003-630401, filed on 30 Jul 2003, PENDING Continuation of Ser. No. US 2001-953047, filed on 10 Sep 2001, ABANDONED                                                                                                                                                                   |      |               |
|                       | Continuation-in-part of Ser. No. US 2003-655847, filed on 5 Sep 2003, ABANDONED                                                                                                                                                                                                                                           |      |               |
|                       | Continuation of Ser. No. US 2002-160807, filed on 31 May 2002, ABANDONED                                                                                                                                                                                                                                                  |      |               |
|                       | Continuation-in-part of Ser. No. US 2003-628841, filed on 28 Jul 2003, PENDING Continuation of Ser. No. US 2001-972607, filed on 6 Oct 2001, ABANDONED                                                                                                                                                                    |      |               |
|                       | Continuation-in-part of Ser. No. US 2003-630399, filed on 30 Jul 2003, PENDING Continuation of Ser. No. US 2001-966451, filed on 28 Sep 2001, GRANTED, Pat. No. US 6692959                                                                                                                                                |      |               |
|                       | Continuation-in-part of Ser. No. US 2002-162846, filed on 3 Jun 2002, PENDING                                                                                                                                                                                                                                             |      |               |
|                       | Continuation-in-part of Ser. No. US 2003-476961, filed on 5 Nov 2003, PENDING A 371 of International Ser. No. WO 2002-US13876, filed on 1 May 2002                                                                                                                                                                        |      |               |
|                       | Continuation of Ser. No. US 2001-851062, filed on 7 May 2001, GRANTED, Pat. No. US 6448081                                                                                                                                                                                                                                |      |               |
|                       | Continuation-in-part of Ser. No. US 2005-19368, filed on 2 Jun 2005, PENDING A 371 of International Ser. No. WO 2000-US13170, filed on 11 May 2000                                                                                                                                                                        |      |               |
|                       | Continuation of Ser. No. US 1999-313930, filed on 18 May 1999, GRANTED, Pat. No. US 6235723                                                                                                                                                                                                                               |      |               |
| DOCUMENT TYPE:        | Utility                                                                                                                                                                                                                                                                                                                   |      |               |
| FILE SEGMENT:         | APPLICATION                                                                                                                                                                                                                                                                                                               |      |               |
| LEGAL REPRESENTATIVE: | FENWICK & WEST LLP, 801 CALIFORNIA STREET, MOUNTAIN VIEW, CA, 94014, US                                                                                                                                                                                                                                                   |      |               |
| NUMBER OF CLAIMS:     | 20                                                                                                                                                                                                                                                                                                                        |      |               |
| EXEMPLARY CLAIM:      | 1                                                                                                                                                                                                                                                                                                                         |      |               |
| LINE COUNT:           | 3185                                                                                                                                                                                                                                                                                                                      |      |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antisense compounds, compositions and methods are provided for modulating the expression of p70 S6 kinase. The compositions comprise antisense compounds, particularly antisense oligonucleotides, targeted to nucleic acids encoding p70 S6 kinase. Methods of using these compounds for modulation of p70 S6 kinase expression and for treatment of diseases associated with expression of p70 S6 kinase are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 18 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:261954 USPATFULL

TITLE: Triazine compounds and their analogs, compositions, and methods

INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES  
Alexander, Christopher W., Atlanta, GA, UNITED STATES  
Pillarsetti, Sivaram, Norcross, GA, UNITED STATES  
Saxena, Uday, Atlanta, GA, UNITED STATES  
Alluri, Sessa Sridevi, Grandhinagar, INDIA  
Krishna Reddy, Velagala Venkata Rama Murali, Kukatpally, INDIA  
Pal, Manojit, Miyapur, INDIA  
Reddy, Jangalgar Tirupathy, Miyapur, INDIA  
Yeleswarapu, Koteswar Rao, Begumpet, INDIA  
Reddy, Gaddam Om, Miyapur, INDIA  
Kumar, Potlapally Rajender, Miyapur, INDIA

|                       | NUMBER                                                                            | KIND | DATE          |
|-----------------------|-----------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2005227983                                                                     | A1   | 20051013      |
| APPLICATION INFO.:    | US 2004-808210                                                                    | A1   | 20040324 (10) |
| DOCUMENT TYPE:        | Utility                                                                           |      |               |
| FILE SEGMENT:         | APPLICATION                                                                       |      |               |
| LEGAL REPRESENTATIVE: | WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037, ATLANTA, GA, 30357-0037, US |      |               |
| NUMBER OF CLAIMS:     | 83                                                                                |      |               |
| EXEMPLARY CLAIM:      | 1                                                                                 |      |               |
| LINE COUNT:           | 7442                                                                              |      |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to triazine compounds and their analogs and derivatives, and methods and compositions comprising these compounds. The compounds and compositions of this invention are useful for, among other things, treating pathophysiological conditions arising from inflammatory responses, inhibiting or blocking glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells, inhibiting smooth muscle proliferation, treating vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis, and the like.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 19 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:234124 USPATFULL

TITLE: Proteasome pathway inhibitors and related methods

INVENTOR(S): Deshaies, Raymond, Claremont, CA, UNITED STATES  
King, Randall, Boston, MA, UNITED STATES  
Verma, Rati, Altadena, CA, UNITED STATES

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005203063  | A1   | 20050915      |
| APPLICATION INFO.:  | US 2004-940502 | A1   | 20040913 (10) |

|                       | NUMBER                                                                                          | DATE          |
|-----------------------|-------------------------------------------------------------------------------------------------|---------------|
|                       | -----                                                                                           | -----         |
| PRIORITY INFORMATION: | US 2003-502540P                                                                                 | 20030912 (60) |
| DOCUMENT TYPE:        | Utility                                                                                         |               |
| FILE SEGMENT:         | APPLICATION                                                                                     |               |
| LEGAL REPRESENTATIVE: | FISH & NEAVE IP GROUP, ROPES & GRAY LLP, ONE<br>INTERNATIONAL PLACE, BOSTON, MA, 02110-2624, US |               |
| NUMBER OF CLAIMS:     | 26                                                                                              |               |
| EXEMPLARY CLAIM:      | 1                                                                                               |               |
| NUMBER OF DRAWINGS:   | 7 Drawing Page(s)                                                                               |               |
| LINE COUNT:           | 1721                                                                                            |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The disclosure provides compositions and methods for blocking the proteasome pathway, as well as compounds that block mitotic cell cycle progression. Compounds disclosed include a family of molecules that bind to a multiubiquitin chain attached to a protein and thereby inhibit degradation of that protein by the proteasome pathway. According to another aspect of the disclosure, compounds are provided that inhibit cell cycle progression. Compounds disclosed herein may be formulated for pharmaceutical use and employed in methods for treating cancers or other hyperproliferative disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 20 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:226937 USPATFULL  
 TITLE: Modulation of eIF4E-BP2 expression  
 INVENTOR(S): Bhanot, Sanjay, Carlsbad, CA, UNITED STATES  
 Dobie, Kenneth W., Del Mar, CA, UNITED STATES  
 Jain, Ravi, Carlsbad, CA, UNITED STATES

|                     | NUMBER        | KIND  | DATE          |
|---------------------|---------------|-------|---------------|
|                     | -----         | ----- | -----         |
| PATENT INFORMATION: | US 2005196787 | A1    | 20050908      |
| APPLICATION INFO.:  | US 2005-42899 | A1    | 20050124 (11) |

|                       | NUMBER                                                                     | DATE          |
|-----------------------|----------------------------------------------------------------------------|---------------|
|                       | -----                                                                      | -----         |
| PRIORITY INFORMATION: | US 2004-538752P                                                            | 20040122 (60) |
| DOCUMENT TYPE:        | Utility                                                                    |               |
| FILE SEGMENT:         | APPLICATION                                                                |               |
| LEGAL REPRESENTATIVE: | FENWICK & WEST LLP, 801 CALIFORNIA STREET, MOUNTAIN<br>VIEW, CA, 94014, US |               |
| NUMBER OF CLAIMS:     | 40                                                                         |               |
| EXEMPLARY CLAIM:      | 1                                                                          |               |
| LINE COUNT:           | 4619                                                                       |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds, compositions and methods are provided for modulating the expression of eIF4E-BP2. The compositions comprise oligonucleotides, targeted to nucleic acid encoding eIF4E-BP2. Methods of using these compounds for modulation of eIF4E-BP2 expression and for diagnosis and treatment of diseases and conditions associated with expression of eIF4E-BP2 are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 21 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:208920 USPATFULL  
 TITLE: Modulation of eIF4E-BP1 expression  
 INVENTOR(S): Monia, Brett P., Encinitas, CA, UNITED STATES  
 Bhanot, Sanjay, Carlsbad, CA, UNITED STATES  
 Dobie, Kenneth W., Del Mar, CA, UNITED STATES  
 Jain, Ravi, Carlsbad, CA, UNITED STATES



|                     | NUMBER        | KIND | DATE          |
|---------------------|---------------|------|---------------|
| PATENT INFORMATION: | US 2005181400 | A1   | 20050818      |
| APPLICATION INFO.:  | US 2005-42768 | A1   | 20050124 (11) |

|                       | NUMBER                                                                  | DATE          |
|-----------------------|-------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2004-538751P                                                         | 20040122 (60) |
| DOCUMENT TYPE:        | Utility                                                                 |               |
| FILE SEGMENT:         | APPLICATION                                                             |               |
| LEGAL REPRESENTATIVE: | FENWICK & WEST LLP, 801 CALIFORNIA STREET, MOUNTAIN VIEW, CA, 94014, US |               |
| NUMBER OF CLAIMS:     | 43                                                                      |               |
| EXEMPLARY CLAIM:      | 1                                                                       |               |
| LINE COUNT:           | 6403                                                                    |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds, compositions and methods are provided for modulating the expression of eIF4E-BP1. The compositions comprise oligonucleotides, targeted to nucleic acid encoding eIF4E-BP1. Methods of using these compounds for modulation of eIF4E-BP1 expression and for diagnosis and treatment of diseases and conditions associated with expression of eIF4E-BP1 are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 22 OF 43 USPATFULL on STN  
 ACCESSION NUMBER: 2005:196243 USPATFULL  
 TITLE: Artificial receptors including gradients  
 INVENTOR(S): Carlson, Robert E., Minnetonka, MN, UNITED STATES  
 PATENT ASSIGNEE(S): RECEPTORS LLC, CHASKA, MN, UNITED STATES (U.S. corporation)

|                       | NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | KIND | DATE          |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2005170385                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A1   | 20050804      |
| APPLICATION INFO.:    | US 2004-4593                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A1   | 20041202 (11) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2002-244727, filed on 16 Sep 2002, PENDING Continuation-in-part of Ser. No. US 2004-812850, filed on 29 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-813568, filed on 29 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-813612, filed on 29 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-934977, filed on 3 Sep 2004, PENDING Continuation-in-part of Ser. No. US 2004-934977, filed on 3 Sep 2004, PENDING Continuation-in-part of Ser. No. US 2004-934865, filed on 3 Sep 2004, PENDING |      |               |

|                       | NUMBER          | DATE          |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | WO 2003-5328    | 20030219      |
|                       | WO 2004-WO9649  | 20040329      |
|                       | WO 2004-WO29050 | 20040903      |
|                       | WO 2004-WO29122 | 20040903      |
|                       | US 2003-526511P | 20031202 (60) |
|                       | US 2003-526699P | 20031202 (60) |
|                       | US 2003-526703P | 20031202 (60) |
|                       | US 2003-526708P | 20031202 (60) |
|                       | US 2003-527190P | 20031202 (60) |
|                       | US 2004-607438P | 20040903 (60) |
|                       | US 2004-607457P | 20040903 (60) |
|                       | US 2004-607458P | 20040903 (60) |



US 2004-608557P 20040910 (60)  
US 2004-608654P 20040910 (60)  
US 2004-609160P 20040911 (60)  
US 2004-612666P 20040923 (60)  
US 2004-622086P 20041025 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN,  
55402-0903, US  
NUMBER OF CLAIMS: 39  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 64 Drawing Page(s)  
LINE COUNT: 4575  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to gradients of artificial receptors or building blocks, methods of making the gradients, and methods employing the gradients. The gradient can include one or more building blocks. The gradient can include change in any of a variety of characteristics of the artificial receptor or building block including change in the concentration of an artificial receptor or building block; change in the identity of an artificial receptor or building block; change in the topography of an artificial receptor or building block; change in the mode of binding of an artificial receptor or building block to the support; change in the lawn or lawn modifier; change in charge, volume, lipophilicity, or hydrophilicity of the artificial receptor or building block; or change in a molecular descriptors for the artificial receptor or building block.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 23 OF 43 USPATFULL on STN  
ACCESSION NUMBER: 2005:183066 USPATFULL  
TITLE: Method and apparatus for coating of substrates  
INVENTOR(S): Chappa, Ralph A., Prior Lake, MN, UNITED STATES

|                       | NUMBER                                                                 | KIND | DATE          |
|-----------------------|------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2005158449                                                          | A1   | 20050721      |
| APPLICATION INFO.:    | US 2004-976348                                                         | A1   | 20041027 (10) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2002-256349, filed on 27 Sep 2002, PENDING |      |               |
| DOCUMENT TYPE:        | Utility                                                                |      |               |
| FILE SEGMENT:         | APPLICATION                                                            |      |               |
| LEGAL REPRESENTATIVE: | MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN,<br>55402-0903, US |      |               |
| NUMBER OF CLAIMS:     | 30                                                                     |      |               |
| EXEMPLARY CLAIM:      | 1                                                                      |      |               |
| NUMBER OF DRAWINGS:   | 25 Drawing Page(s)                                                     |      |               |
| LINE COUNT:           | 2248                                                                   |      |               |

AB The invention relates to methods and apparatuses that reduce problems encountered during coating of a device, such as a medical device having a cylindrical shape. In an embodiment, the invention includes an apparatus including a bi-directional rotation member. In an embodiment, the invention includes a method with a bi-directional indexing movement. In an embodiment, the invention includes a coating solution supply member having a major axis oriented parallel to a gap between rollers on a coating apparatus. In an embodiment, the invention includes a device retaining member. In an embodiment, the invention includes an air nozzle or an air knife. In an embodiment, the invention includes a method including removing a static charge from a small diameter medical device.

L6 ANSWER 24 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:158986 USPATFULL  
TITLE: Medical devices employing triazine compounds and compositions thereof  
INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES  
Alexander, Christopher W., Norcross, GA, UNITED STATES  
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES  
Saxena, Uday, Atlanta, GA, UNITED STATES  
Yeleswarapu, Koteswar Rao, Begumpet, INDIA  
Pal, Manojit, Miyapur, INDIA  
Reddy, Jangalgar Tirupathy, Miyapur, INDIA  
Krishna Reddy, Velagala Venkata Rama Murali, Kukatpally, INDIA  
Sesha Sridevi, Bhatlapenumarthy, Gandhinagar, INDIA  
Kumar, Potlapally Rajender, Miyapur, INDIA  
Reddy, Gaddam Om, Miyapur, INDIA

|                       | NUMBER                                                                                                                                                                                                                     | KIND | DATE          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2005137196                                                                                                                                                                                                              | A1   | 20050623      |
| APPLICATION INFO.:    | US 2004-951316                                                                                                                                                                                                             | A1   | 20040927 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2003-397968, filed on 26 Mar 2003, PENDING Continuation-in-part of Ser. No. US 2003-390485, filed on 17 Mar 2003, PENDING Continuation of Ser. No. US 2002-253388, filed on 23 Sep 2002, ABANDONED |      |               |

|                       | NUMBER                                                                            | DATE          |
|-----------------------|-----------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2001-324147P                                                                   | 20010921 (60) |
| DOCUMENT TYPE:        | Utility                                                                           |               |
| FILE SEGMENT:         | APPLICATION                                                                       |               |
| LEGAL REPRESENTATIVE: | WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037, ATLANTA, GA, 30357-0037, US |               |
| NUMBER OF CLAIMS:     | 14                                                                                |               |
| EXEMPLARY CLAIM:      | 1                                                                                 |               |
| NUMBER OF DRAWINGS:   | 86 Drawing Page(s)                                                                |               |
| LINE COUNT:           | 9874                                                                              |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 25 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:158329 USPATFULL  
TITLE: Compositions for manipulating the lifespan and stress response of cells and organisms  
INVENTOR(S): Sinclair, David A., West Roxbury, MA, UNITED STATES  
Howitz, Konrad T., Allentown, PA, UNITED STATES  
Zipkin, Robert E., Wynnewood, PA, UNITED STATES  
PATENT ASSIGNEE(S): President and Fellows of Harvard College, Cambridge, MA, UNITED STATES (U.S. corporation)  
BIOMOL International L.P., Plymouth Meeting, PA, UNITED STATES (U.S. corporation)

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005136537  | A1   | 20050623      |
| APPLICATION INFO.:  | US 2004-884879 | A1   | 20040702 (10) |

|                       | NUMBER                                                                                             | DATE          |
|-----------------------|----------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-532158P                                                                                    | 20031223 (60) |
| DOCUMENT TYPE:        | Utility                                                                                            |               |
| FILE SEGMENT:         | APPLICATION                                                                                        |               |
| LEGAL REPRESENTATIVE: | FOLEY HOAG, LLP, PATENT GROUP, WORLD TRADE CENTER WEST,<br>155 SEAPORT BLVD, BOSTON, MA, 02110, US |               |
| NUMBER OF CLAIMS:     | 39                                                                                                 |               |
| EXEMPLARY CLAIM:      | 1                                                                                                  |               |
| NUMBER OF DRAWINGS:   | 42 Drawing Page(s)                                                                                 |               |
| LINE COUNT:           | 6631                                                                                               |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided herein are methods and compositions for modulating the activity of sirtuin deacetylase protein family members; p53 activity; apoptosis; lifespan and sensitivity to stress of cells and organisms. Exemplary methods comprise contacting a cell with an activating compound, such as a flavone, stilbene, flavanone, isoflavone, catechin, chalcone, tannin or anthocyanidin; or an inhibitory compound, such as a sphingolipid, e.g., sphingosine.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 26 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:158275 USPATFULL

TITLE: Nanodevices employing combinatorial artificial receptors

INVENTOR(S): Carlson, Robert E., Minnetonka, MN, UNITED STATES

PATENT ASSIGNEE(S): RECEPTORS LLC, CHASKA, MN, UNITED STATES (U.S. corporation)

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005136483  | A1   | 20050623      |
| APPLICATION INFO.:  | US 2004-934879 | A1   | 20040903 (10) |

|                       | NUMBER                                                                 | DATE          |
|-----------------------|------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-499752P                                                        | 20030903 (60) |
|                       | US 2003-500081P                                                        | 20030903 (60) |
|                       | US 2003-499776P                                                        | 20030903 (60) |
|                       | US 2003-499867P                                                        | 20030903 (60) |
|                       | US 2003-499965P                                                        | 20030903 (60) |
|                       | US 2003-499975P                                                        | 20030903 (60) |
|                       | US 2003-526511P                                                        | 20031202 (60) |
|                       | US 2003-526699P                                                        | 20031202 (60) |
|                       | US 2003-526703P                                                        | 20031202 (60) |
|                       | US 2003-526708P                                                        | 20031202 (60) |
|                       | US 2003-527190P                                                        | 20031202 (60) |
| DOCUMENT TYPE:        | Utility                                                                |               |
| FILE SEGMENT:         | APPLICATION                                                            |               |
| LEGAL REPRESENTATIVE: | MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN,<br>55402-0903, US |               |
| NUMBER OF CLAIMS:     | 45                                                                     |               |
| EXEMPLARY CLAIM:      | 1                                                                      |               |
| NUMBER OF DRAWINGS:   | 60 Drawing Page(s)                                                     |               |
| LINE COUNT:           | 3745                                                                   |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention includes nanodevices employing combinatorial artificial receptors and methods for making and using the same. In an embodiment the invention includes a method of adhering components together. In an embodiment, the invention includes a device including a first component adhered to a second component via a binding pair of artificial receptors. In an embodiment, the invention includes an agent delivery device having a capsule, and an active agent. In an embodiment, the invention can include a detection device having a magnetic particle and an artificial receptor disposed thereon. In an embodiment, the invention can include a detection device having a quantum dot and an artificial receptor disposed on the quantum dot. In an embodiment, the invention includes a detection device having first particles and second particles that aggregate in the presence of a target ligand. In an embodiment, the invention includes a detection device having a cantilever and an artificial receptor disposed thereon. In an embodiment, the invention can include a detection device having a substrate and an artificial receptor disposed thereon. In an embodiment, the invention can include a device for selective removal of a target component including a substrate and an artificial receptor disposed thereon.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 27 OF 43 USPTAFULL on STN

ACCESSION NUMBER: 2005:144879 USPTAFULL

TITLE: Medical devices employing triazine compounds and compositions thereof

INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES  
Alexander, Christopher W., Norcross, GA, UNITED STATES  
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES  
Saxena, Uday, Atlanta, GA, UNITED STATES  
Yeleswarapu, Koteswar Rao, Hyderabad, INDIA  
Pal, Manojit, Hyderabad, INDIA  
Reddy, Jangalgar Tirupathy, Hyderabad, INDIA  
Krisha Reddy, Velagala Venkata Rama Murali, Hyderabad, INDIA  
Sesha Sridevi, Bhatlapenumarthy, Hyderabad, INDIA  
Kumar, Potlapally Rajender, Hyderabad, INDIA  
Reddy, Gaddam Om, Hyderabad, INDIA

|                       | NUMBER                                                                                                                                                                                                                     | KIND | DATE          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2005124619                                                                                                                                                                                                              | A1   | 20050609      |
| APPLICATION INFO.:    | US 2004-951120                                                                                                                                                                                                             | A1   | 20040927 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2003-400169, filed on 26 Mar 2003, PENDING Continuation-in-part of Ser. No. US 2003-390485, filed on 17 Mar 2003, PENDING Continuation of Ser. No. US 2002-253388, filed on 23 Sep 2002, ABANDONED |      |               |

|                       | NUMBER                                                                            | DATE          |
|-----------------------|-----------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2001-324147P                                                                   | 20010921 (60) |
| DOCUMENT TYPE:        | Utility                                                                           |               |
| FILE SEGMENT:         | APPLICATION                                                                       |               |
| LEGAL REPRESENTATIVE: | WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037, ATLANTA, GA, 30357-0037, US |               |
| NUMBER OF CLAIMS:     | 14                                                                                |               |
| EXEMPLARY CLAIM:      | 1                                                                                 |               |
| NUMBER OF DRAWINGS:   | 86 Drawing Page(s)                                                                |               |
| LINE COUNT:           | 8532                                                                              |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising

compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 28 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:138619 USPATFULL

TITLE: Heterocyclic compounds and methods of making and using thereof

INVENTOR(S): Rao, Yeleswarapu Koteswar, Hyderabad, INDIA  
Pal, Manojit, Hyderabad, INDIA  
Sharma, Vedula Manohar, Hyderabad, INDIA  
Venkateswarlu, Akella, Hyderabad, INDIA  
Pillariseti, Ram, Norcross, GA, UNITED STATES

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005119269  | A1   | 20050602      |
| APPLICATION INFO.:  | US 2004-976284 | A1   | 20041028 (10) |

|                       | NUMBER                                                                            | DATE          |
|-----------------------|-----------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | IN 2003-8612003                                                                   | 20031028      |
|                       | US 2004-610163P                                                                   | 20040915 (60) |
| DOCUMENT TYPE:        | Utility                                                                           |               |
| FILE SEGMENT:         | APPLICATION                                                                       |               |
| LEGAL REPRESENTATIVE: | WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037, ATLANTA, GA, 30357-0037, US |               |
| NUMBER OF CLAIMS:     | 59                                                                                |               |
| EXEMPLARY CLAIM:      | 1                                                                                 |               |
| LINE COUNT:           | 13564                                                                             |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Compounds of formula (I), and methods and/or compositions comprising compounds that are effective in modulating inflammatory responses, such as those resulting from AGE and glycated protein accumulation are provided. Methods and/or compositions comprising compounds that are effective in modulating smooth muscle cell proliferation and the diseases or conditions related thereto are also provided. ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 29 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:131877 USPATFULL

TITLE: Medical devices employing triazine compounds and compositions thereof

INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES  
Alexander, Christopher W., Norcross, GA, UNITED STATES  
Pillariseti, Sivaram, Norcross, GA, UNITED STATES  
Saxena, Uday, Atlanta, GA, UNITED STATES  
Yeleswarapu, Koteswar Rao, Hyderabad, IN, UNITED STATES  
Pal, Manojit, Hyderabad, INDIA  
Reddy, Jangalgar Tirupathy, Hyderabad, INDIA  
Murali Krishna Reddy, Velagala Venkata Rama, Hyderabad, INDIA  
Sridevi, Bhatlapenumarthy Sesha, Hyderabad, INDIA



Kumar, Potlapally Rajender, Hyderabad, INDIA  
Reddy, Gaddam Om, Hyderabad, INDIA

|                       | NUMBER                                                                                                                                                                                                                     | KIND | DATE          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2005113341                                                                                                                                                                                                              | A1   | 20050526      |
| APPLICATION INFO.:    | US 2004-951305                                                                                                                                                                                                             | A1   | 20040927 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2003-400134, filed on 26 Mar 2003, PENDING Continuation-in-part of Ser. No. US 2003-390485, filed on 17 Mar 2003, PENDING Continuation of Ser. No. US 2002-253388, filed on 23 Sep 2002, ABANDONED |      |               |

|                       | NUMBER                                                                            | DATE          |
|-----------------------|-----------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2001-324147P                                                                   | 20010921 (60) |
| DOCUMENT TYPE:        | Utility                                                                           |               |
| FILE SEGMENT:         | APPLICATION                                                                       |               |
| LEGAL REPRESENTATIVE: | WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037, ATLANTA, GA, 30357-0037, US |               |
| NUMBER OF CLAIMS:     | 21                                                                                |               |
| EXEMPLARY CLAIM:      | 1                                                                                 |               |
| NUMBER OF DRAWINGS:   | 86 Drawing Page(s)                                                                |               |
| LINE COUNT:           | 10723                                                                             |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycosylated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 30 OF 43 USPATFULL on STN  
ACCESSION NUMBER: 2005:124241 USPATFULL  
TITLE: Building blocks for artificial receptors  
INVENTOR(S): Carlson, Robert E., Minnetonka, MN, UNITED STATES  
PATENT ASSIGNEE(S): RECEPTORS LLC, CHASKA, MN, UNITED STATES (U.S. corporation)

|                       | NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | KIND | DATE          |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2005106630                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A1   | 20050519      |
| APPLICATION INFO.:    | US 2004-934865                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A1   | 20040903 (10) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2002-244727, filed on 16 Sep 2002, PENDING Continuation-in-part of Ser. No. US 2004-813568, filed on 29 Mar 2004, PENDING Continuation-in-part of Ser. No. WO 2003-US5328, filed on 19 Feb 2003, PENDING Continuation-in-part of Ser. No. US 2004-812850, filed on 29 Mar 2004, PENDING Continuation-in-part of Ser. No. US 2004-813612, filed on 29 Mar 2004, PENDING Continuation-in-part of Ser. No. WO 2004-US9649, filed on 29 Mar 2004, PENDING |      |               |

|                       | NUMBER          | DATE          |
|-----------------------|-----------------|---------------|
| PRIORITY INFORMATION: | US 2003-499752P | 20030903 (60) |



|                 |               |
|-----------------|---------------|
| US 2003-500081P | 20030903 (60) |
| US 2003-499776P | 20030903 (60) |
| US 2003-499867P | 20030903 (60) |
| US 2003-499965P | 20030903 (60) |
| US 2003-499975P | 20030903 (60) |
| US 2003-526511P | 20031202 (60) |
| US 2003-526699P | 20031202 (60) |
| US 2003-526703P | 20031202 (60) |
| US 2003-526708P | 20031202 (60) |
| US 2003-527190P | 20031202 (60) |
| US 360980P      | (60)          |
| US 362600P      | (60)          |
| US 375655P      | (60)          |
| US 400605P      | (60)          |

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903, US  
NUMBER OF CLAIMS: 24  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 59 Drawing Page(s)  
LINE COUNT: 5786

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to building blocks for making or forming candidate artificial receptors. A building block can provide one or more structural characteristics such as positive charge, negative charge, acid, base, electron acceptor, electron donor, hydrogen bond donor, hydrogen bond acceptor, free electron pair,  $\pi$  electrons, charge polarization, hydrophilicity, hydrophobicity, and the like. A building block can be bulky or it can be small.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 31 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:112172 USPATFULL  
TITLE: Compositions for manipulating the lifespan and stress response of cells and organisms  
INVENTOR(S): Sinclair, David A., West Roxbury, MA, UNITED STATES  
PATENT ASSIGNEE(S): President and Fellows of Harvard College, Cambridge, MA, UNITED STATES (U.S. corporation)

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005096256  | A1   | 20050505      |
| APPLICATION INFO.:  | US 2004-884022 | A1   | 20040701 (10) |

|                       | NUMBER                                                                                          | DATE          |
|-----------------------|-------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-483949P                                                                                 | 20030701 (60) |
|                       | US 2003-532158P                                                                                 | 20031223 (60) |
| DOCUMENT TYPE:        | Utility                                                                                         |               |
| FILE SEGMENT:         | APPLICATION                                                                                     |               |
| LEGAL REPRESENTATIVE: | FOLEY HOAG, LLP, PATENT GROUP, WORLD TRADE CENTER WEST, 155 SEAPORT BLVD, BOSTON, MA, 02110, US |               |
| NUMBER OF CLAIMS:     | 14                                                                                              |               |
| EXEMPLARY CLAIM:      | 1                                                                                               |               |
| NUMBER OF DRAWINGS:   | 42 Drawing Page(s)                                                                              |               |
| LINE COUNT:           | 6583                                                                                            |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided herein are methods and compositions for modulating the activity of sirtuin deacetylase protein family members; p53 activity; apoptosis; lifespan and sensitivity to stress of cells and organisms. Exemplary methods comprise contacting a cell with an activating compound, such as

a flavone, stilbene, flavanone, isoflavone, catechin, chalcone, tannin or anthocyanidin; or an inhibitory compound, such as a sphingolipid, e.g., sphingosine.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 32 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:68493 USPATFULL

TITLE: Postpartum cells derived from placental tissue, and methods of making and using the same

INVENTOR(S): Kihm, Anthony J., Princeton, NJ, UNITED STATES  
Harris, Ian Ross, Belle Mead, NJ, UNITED STATES  
Mistry, Sanjay, Bedminster, NJ, UNITED STATES  
Harmon, Alexander M., Clinton, NJ, UNITED STATES  
Messina, Darin J., Somerville, NJ, UNITED STATES  
Seyda, Agnieszka, New Brunswick, NJ, UNITED STATES  
Yi, Chin-Feng, Hillsborough, NJ, UNITED STATES  
Gosiewska, Anna, Skillman, NJ, UNITED STATES

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005058631  | A1   | 20050317      |
| APPLICATION INFO.:  | US 2004-877446 | A1   | 20040625 (10) |

|                       | NUMBER                                                                                            | DATE          |
|-----------------------|---------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-483264P                                                                                   | 20030627 (60) |
| DOCUMENT TYPE:        | Utility                                                                                           |               |
| FILE SEGMENT:         | APPLICATION                                                                                       |               |
| LEGAL REPRESENTATIVE: | WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR, 1650 MARKET STREET, PHILADELPHIA, PA, 19103 |               |
| NUMBER OF CLAIMS:     | 82                                                                                                |               |
| EXEMPLARY CLAIM:      | 1                                                                                                 |               |
| LINE COUNT:           | 7320                                                                                              |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cells derived from postpartum placenta and methods for their isolation are provided by the invention. The invention further provides cultures and compositions of the placenta-derived cells. The placenta-derived cells of the invention have a plethora of uses, including but not limited to research, diagnostic, and therapeutic applications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 33 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:68491 USPATFULL

TITLE: Soft tissue repair and regeneration using postpartum-derived cells

INVENTOR(S): Harmon, Alexander M., Clinton, NJ, UNITED STATES  
Harris, Ian Ross, Belle Mead, NJ, UNITED STATES  
Kihm, Anthony J., Princeton, NJ, UNITED STATES  
Mistry, Sanjay, Bedminster, NJ, UNITED STATES  
Messina, Darin J., Somerville, NJ, UNITED STATES  
Seyda, Agnieszka, New Brunswick, NJ, UNITED STATES  
Yi, Chin-Feng, Hillsborough, NJ, UNITED STATES  
Gosiewska, Anna, Skillman, NJ, UNITED STATES

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005058629  | A1   | 20050317      |
| APPLICATION INFO.:  | US 2004-877009 | A1   | 20040625 (10) |

| NUMBER | DATE  |
|--------|-------|
| -----  | ----- |

PRIORITY INFORMATION: US 2003-483264P 20030627 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR,  
1650 MARKET STREET, PHILADELPHIA, PA, 19103  
NUMBER OF CLAIMS: 113  
EXEMPLARY CLAIM: 1  
LINE COUNT: 5770

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cells derived from postpartum tissue having the potential to support cells of and/or differentiate to cells of a soft tissue lineage, and methods of preparation and use of those postpartum tissue-derived cells, are provided by the invention. The invention also provides methods for the use of such postpartum-derived cells and products related thereto in therapies for conditions of soft tissue.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 34 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2005:23321 USPATFULL

TITLE: Cartilage and bone repair and regeneration using postpartum-derived cells

INVENTOR(S): Kihm, Anthony J., Princeton, NJ, UNITED STATES  
Seyda, Agnieszka, New Brunswick, NJ, UNITED STATES  
Dhanaraj, Sridevi, Raritan, NJ, UNITED STATES  
Wang, Ziwei, Monroe, NJ, UNITED STATES  
Harmon, Alexander M., Clinton, NJ, UNITED STATES  
Harris, Ian Ross, Belle Mead, NJ, UNITED STATES  
Messina, Darin J., Somerville, NJ, UNITED STATES  
Mistry, Sanjay, Bedminster, NJ, UNITED STATES  
Gosiewska, Anna, Skillman, NJ, UNITED STATES  
Yi, Chin-Feng, Hillsborough, NJ, UNITED STATES

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2005019865  | A1   | 20050127      |
| APPLICATION INFO.:  | US 2004-876998 | A1   | 20040625 (10) |

|                       | NUMBER                                                                                               | DATE          |
|-----------------------|------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-483264P                                                                                      | 20030627 (60) |
| DOCUMENT TYPE:        | Utility                                                                                              |               |
| FILE SEGMENT:         | APPLICATION                                                                                          |               |
| LEGAL REPRESENTATIVE: | WOODCOCK WASHBURN LLP, ONE LIBERTY PLACE, 46TH FLOOR,<br>1650 MARKET STREET, PHILADELPHIA, PA, 19103 |               |
| NUMBER OF CLAIMS:     | 108                                                                                                  |               |
| EXEMPLARY CLAIM:      | 1                                                                                                    |               |
| LINE COUNT:           | 6210                                                                                                 |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cells derived from postpartum tissue and methods for their isolation and induction to differentiate to cells of a chondrogenic or osteogenic phenotype are provided by the invention. The invention further provides cultures and compositions of the postpartum-derived cells and products related thereto. The postpartum-derived cells of the invention and products related thereto have a plethora of uses, including but not limited to research, diagnostic, and therapeutic applications, for example, in the treatment of bone and cartilage conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 35 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2004:334878 USPATFULL

TITLE: Antibodies against human IL-21 receptor and uses

therefor

INVENTOR(S): Valge-Archer, Viia, Little Abington, UNITED KINGDOM  
 Williams, Andrew James, Royston, UNITED KINGDOM  
 Young, Deborah A., Melrose, MA, UNITED STATES  
 Whitters, Matthew J., Hudson, MA, UNITED STATES  
 Collins, Mary, Natick, MA, UNITED STATES  
 Witek, Joann, Acton, MA, UNITED STATES

PATENT ASSIGNEE(S): Wyeth, Madison, NJ, UNITED STATES, 07940 (non-U.S. corporation)  
 Cambridge Antibody Technology Limited, Cambridge, UNITED KINGDOM, CB1 6GH (non-U.S. corporation)

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2004265960  | A1   | 20041230      |
| APPLICATION INFO.:  | US 2004-798380 | A1   | 20040312 (10) |

|                       | NUMBER                                                                                                                       | DATE          |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2003-454336P                                                                                                              | 20030314 (60) |
| DOCUMENT TYPE:        | Utility                                                                                                                      |               |
| FILE SEGMENT:         | APPLICATION                                                                                                                  |               |
| LEGAL REPRESENTATIVE: | Rebecca M. McNeill, FINNEGAN, HENDERSON, FARABOW,, GARRETT & DUNNER, L.L.P., 1300 I Street, N.W., Washington, DC, 20005-3315 |               |
| NUMBER OF CLAIMS:     | 38                                                                                                                           |               |
| EXEMPLARY CLAIM:      | 1                                                                                                                            |               |
| NUMBER OF DRAWINGS:   | 12 Drawing Page(s)                                                                                                           |               |
| LINE COUNT:           | 3793                                                                                                                         |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present application provides human antibodies and antigen binding fragments thereof that specifically bind to the human interleukin-21 receptor (IL-21R). The antibodies can act as antagonists of IL-21R activity, thereby modulating immune responses in general, and those mediated by IL-21R in particular. The disclosed compositions and methods may be used for example, in diagnosing, treating or preventing inflammatory disorders, autoimmune diseases, allergies, transplant rejection, cancer, and other immune system disorders.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 36 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2004:286782 USPATFULL

TITLE: Methods and compositions of novel triazine compounds

INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES  
 Alexander, Christopher W., Norcross, GA, UNITED STATES  
 Pillarisetti, Sivaram, Norcross, GA, UNITED STATES  
 Saxena, Uday, Atlanta, GA, UNITED STATES  
 Yeleswarapu, Koteswar Rao, Hyderabad, INDIA  
 Pal, Manojit, Hyderabad, INDIA  
 Reddy, Jangalgar Tirupathy, Hyderabad, INDIA  
 Reddy, Velagala Venkira Rama Murali Krishna, Hyderabad, INDIA  
 Sridevi, Bhatlapenumarphy Shesha, Hyderabad, INDIA  
 Kumar, Potlapally Rajender, Hyderabad, INDIA  
 Reddy, Gaddam Om, Hyderabad, INDIA

|                       | NUMBER                                                                                                     | KIND | DATE          |
|-----------------------|------------------------------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2004224950                                                                                              | A1   | 20041111      |
| APPLICATION INFO.:    | US 2003-400140                                                                                             | A1   | 20030326 (10) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 2003-390485, filed on 17 Mar 2003, PENDING Continuation of Ser. No. US |      |               |

|                       | NUMBER                                                                                  | DATE          |
|-----------------------|-----------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2001-324147P                                                                         | 20010921 (60) |
| DOCUMENT TYPE:        | Utility                                                                                 |               |
| FILE SEGMENT:         | APPLICATION                                                                             |               |
| LEGAL REPRESENTATIVE: | JOHN S. PRATT, ESQ, KILPATRICK STOCKTON, LLP, 1100 PEACHTREE STREET, ATLANTA, GA, 30309 |               |
| NUMBER OF CLAIMS:     | 19                                                                                      |               |
| EXEMPLARY CLAIM:      | 1                                                                                       |               |
| NUMBER OF DRAWINGS:   | 86 Drawing Page(s)                                                                      |               |
| LINE COUNT:           | 11181                                                                                   |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 37 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2004:268339 USPATFULL

TITLE: Methods and compositions of novel triazine compounds

INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES  
 Alexander, Christopher W., Norcross, GA, UNITED STATES  
 Pillarisetti, Sivaram, Norcross, GA, UNITED STATES  
 Saxena, Uday, Atlanta, GA, UNITED STATES  
 Yeleswarapu, Koteswar Rao, Hyderabad, INDIA  
 Pal, Manojit, Hyderabad, INDIA  
 Reddy, Jangalgar Tirupathy, Hyderabad, INDIA  
 Krishma Reddy, Velagala Venkata Rama Murali, Hyderabad, INDIA  
 Sesila Sridevi, Bhatlapenumarthy, Hyderabad, INDIA  
 Kumar, Potlapally Rajender, Hyderabad, INDIA  
 Reddy, Gaddam Om, Hyderabad, INDIA

|                       | NUMBER                                                                        | KIND | DATE          |
|-----------------------|-------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2004209882                                                                 | A1   | 20041021      |
| APPLICATION INFO.:    | US 2003-400169                                                                | A1   | 20030326 (10) |
| DOCUMENT TYPE:        | Utility                                                                       |      |               |
| FILE SEGMENT:         | APPLICATION                                                                   |      |               |
| LEGAL REPRESENTATIVE: | WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037, ATLANTA, GA, 30357-0037 |      |               |
| NUMBER OF CLAIMS:     | 19                                                                            |      |               |
| EXEMPLARY CLAIM:      | 1                                                                             |      |               |
| NUMBER OF DRAWINGS:   | 86 Drawing Page(s)                                                            |      |               |
| LINE COUNT:           | 12036                                                                         |      |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle



proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 38 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2004:268338 USPATFULL  
TITLE: Methods and compositions of novel triazine compounds  
INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES  
Alexander, Christopher W., Norcross, GA, UNITED STATES  
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES  
Saxena, Uday, Atlanta, GA, UNITED STATES  
Yeleswarapu, Koteswar Rao, Hyderabad, INDIA  
Pal, Manojit, Hyderabad, INDIA  
Reddy, Jangalgar Tirupathy, Hyderabad, INDIA  
Krishna Reddy, Velagala Venkata Rama Murali, Hyderabad, INDIA  
Sridevi, Bhatlapenumarthi Sesha, Hyderabad, INDIA  
Kumar, Potlapally Rajender, Hyderabad, INDIA  
Reddy, Gaddam Om, Hyderabad, INDIA

|                       | NUMBER                                                                                  | KIND | DATE          |
|-----------------------|-----------------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2004209881                                                                           | A1   | 20041021      |
|                       | US 7112587                                                                              | B2   | 20060926      |
| APPLICATION INFO.:    | US 2003-400134                                                                          | A1   | 20030326 (10) |
| DOCUMENT TYPE:        | Utility                                                                                 |      |               |
| FILE SEGMENT:         | APPLICATION                                                                             |      |               |
| LEGAL REPRESENTATIVE: | JOHN S. PRATT, ESQ, KILPATRICK STOCKTON, LLP, 1100 PEACHTREE STREET, ATLANTA, GA, 30309 |      |               |
| NUMBER OF CLAIMS:     | 19                                                                                      |      |               |
| EXEMPLARY CLAIM:      | 1                                                                                       |      |               |
| NUMBER OF DRAWINGS:   | 86 Drawing Page(s)                                                                      |      |               |
| LINE COUNT:           | 9019                                                                                    |      |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 39 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2004:268337 USPATFULL  
TITLE: Methods and compositions of novel triazine compounds  
INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES  
Alexander, Christopher W., Norcross, GA, UNITED STATES  
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES  
Saxena, Uday, Atlanta, GA, UNITED STATES  
Yeleswarapu, Koteswar Rao, Begumpet, INDIA  
Pal, Manojit, Miyapur, INDIA  
Reddy, Jangalgar Tirupathy, Miyapur, INDIA  
Krlshna Reddy, Velagala Venkata Rama Murali,



Kukatpally, INDIA  
Sridevi, Bhatlapenumarthy Sesha, Gandhinagar, INDIA  
Kumar, Potlapally Rajender, Miyapur, INDIA  
Reddy, Gaddam Om, Miyapur, INDIA

|                       | NUMBER                                                                        | KIND | DATE          |
|-----------------------|-------------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2004209880                                                                 | A1   | 20041021      |
| APPLICATION INFO.:    | US 2003-397968                                                                | A1   | 20030326 (10) |
| DOCUMENT TYPE:        | Utility                                                                       |      |               |
| FILE SEGMENT:         | APPLICATION                                                                   |      |               |
| LEGAL REPRESENTATIVE: | WOMBLE CARLYLE SANDRIDGE & RICE, PLLC, P.O. BOX 7037, ATLANTA, GA, 30357-0037 |      |               |
| NUMBER OF CLAIMS:     | 19                                                                            |      |               |
| EXEMPLARY CLAIM:      | 1                                                                             |      |               |
| NUMBER OF DRAWINGS:   | 86 Drawing Page(s)                                                            |      |               |
| LINE COUNT:           | 10190                                                                         |      |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 40 OF 43 USPATFULL on STN  
ACCESSION NUMBER: 2004:190704 USPATFULL  
TITLE: Antisense modulation of P70 S6 kinase expression  
INVENTOR(S): Monia, Brett P., La Costa, CA, UNITED STATES  
Cowser, Lex M., Carlsbad, CA, UNITED STATES

|                       | NUMBER                                                                | KIND | DATE          |
|-----------------------|-----------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2004147477                                                         | A1   | 20040729      |
| APPLICATION INFO.:    | US 2004-795662                                                        | A1   | 20040308 (10) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2001-920677, filed on 1 Aug 2001, PENDING |      |               |
| DOCUMENT TYPE:        | Utility                                                               |      |               |
| FILE SEGMENT:         | APPLICATION                                                           |      |               |
| LEGAL REPRESENTATIVE: | Licata & Tyrrell P.C., 66 E. Main Street, Marlton, NJ, 08053          |      |               |
| NUMBER OF CLAIMS:     | 13                                                                    |      |               |
| EXEMPLARY CLAIM:      | 1                                                                     |      |               |
| LINE COUNT:           | 3145                                                                  |      |               |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Antisense compounds, compositions and methods are provided for modulating the expression of p70 S6 kinase. The compositions comprise antisense compounds, particularly antisense oligonucleotides, targeted to nucleic acids encoding p70 S6 kinase. Methods of using these compounds for modulation of p70 S6 kinase expression and for treatment of diseases associated with expression of p70 S6 kinase are provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 41 OF 43 USPATFULL on STN  
ACCESSION NUMBER: 2004:101778 USPATFULL

TITLE: Methods and compositions of novel triazine compounds  
INVENTOR(S): Timmer, Richard T., Decatur, GA, UNITED STATES  
Alexander, Christopher W., Norcross, GA, UNITED STATES  
Pillarisetti, Sivaram, Norcross, GA, UNITED STATES  
Saxena, Uday, Atlanta, GA, UNITED STATES  
Campbell, Karen A., Durham, NC, UNITED STATES

|                       | NUMBER                                                                   | KIND | DATE          |
|-----------------------|--------------------------------------------------------------------------|------|---------------|
| PATENT INFORMATION:   | US 2004077648                                                            | A1   | 20040422      |
| APPLICATION INFO.:    | US 2003-390485                                                           | A1   | 20030317 (10) |
| RELATED APPLN. INFO.: | Continuation of Ser. No. US 2002-253388, filed on 23 Sep 2002, ABANDONED |      |               |

|                                            | NUMBER                                                                                              | DATE          |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION:                      | US 2001-324147P                                                                                     | 20010921 (60) |
| DOCUMENT TYPE:                             | Utility                                                                                             |               |
| FILE SEGMENT:                              | APPLICATION                                                                                         |               |
| LEGAL REPRESENTATIVE:                      | JOHN S. PRATT, ESQ, KILPATRICK STOCKTON, LLP, 1100 PEACHTREE STREET, SUITE 2800, ATLANTA, GA, 30309 |               |
| NUMBER OF CLAIMS:                          | 75                                                                                                  |               |
| EXEMPLARY CLAIM:                           | 1                                                                                                   |               |
| NUMBER OF DRAWINGS:                        | 54 Drawing Page(s)                                                                                  |               |
| LINE COUNT:                                | 10058                                                                                               |               |
| CAS INDEXING IS AVAILABLE FOR THIS PATENT. |                                                                                                     |               |

AB The present invention relates to methods and compositions comprising compounds that treat pathophysiological conditions arising from inflammatory responses. In particular, the present invention is directed to compounds that inhibit or block glycosylated protein produced induction of the signaling-associated inflammatory response in endothelial cells. The present invention relates to compounds that inhibit smooth muscle proliferation. In particular, the present invention is directed to compounds that inhibit smooth muscle cell proliferation by modulating HSPGs such as Perlecan. The present invention further relates to the use of compounds to treat vascular occlusive conditions characterized by smooth muscle proliferation such as restenosis and atherosclerosis.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 42 OF 43 USPATFULL on STN  
ACCESSION NUMBER: 2004:95402 USPATFULL  
TITLE: Polymerized and modified rapamycins and their use in coating medical prostheses  
INVENTOR(S): Waugh, Jacob, Palo Alto, CA, UNITED STATES  
Razavi, Mahmood K., San Carlos, CA, UNITED STATES  
Nezhat, Camran, Woodside, CA, UNITED STATES  
Cifra, Pamela N., Daly City, CA, UNITED STATES  
Dake, Michael D., Stanford, CA, UNITED STATES

|                     | NUMBER         | KIND | DATE          |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2004072857  | A1   | 20040415      |
| APPLICATION INFO.:  | US 2003-613584 | A1   | 20030702 (10) |

|                       | NUMBER                                                                                              | DATE          |
|-----------------------|-----------------------------------------------------------------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 2002-393686P                                                                                     | 20020702 (60) |
| DOCUMENT TYPE:        | Utility                                                                                             |               |
| FILE SEGMENT:         | APPLICATION                                                                                         |               |
| LEGAL REPRESENTATIVE: | MANATT PHELPS AND PHILLIPS, ROBERT D. BECKER, 1001 PAGE MILL ROAD, BUILDING 2, PALO ALTO, CA, 94304 |               |
| NUMBER OF CLAIMS:     | 101                                                                                                 |               |

EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 11 Drawing Page(s)  
LINE COUNT: 903

AB Compositions of matter comprise linked pluralities of mTOR-binding molecules, such as rapamycin. The compositions may be directly polymerized or may comprise rapamycin or other mTOR-binding molecules covalently or non-covalently attached to a backbone molecule. The compositions may be bound to vascular prostheses and other implantable devices in order to inhibit hyperplasia or for other therapeutic purposes.

L6 ANSWER 43 OF 43 USPATFULL on STN

ACCESSION NUMBER: 2003:120800 USPATFULL  
TITLE: Antisense modulation of p70 S6 kinase expression  
INVENTOR(S): Monia, Brett P., La Costa, CA, UNITED STATES  
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AB Antisense compounds, compositions and methods are provided for modulating the expression of p70 S6 kinase. The compositions comprise antisense compounds, particularly antisense oligonucleotides, targeted to nucleic acids encoding p70 S6 kinase. Methods of using these compounds for modulation of p70 S6 kinase expression and for treatment of diseases associated with expression of p70 S6 kinase are provided.

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